Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Nuclear Instruments and Methods in Physics Research A 506 (2003) 329–336
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH Section A
www.elsevier.com/locate/nima

Author Index

Abbrescia, M., S. Altieri, V. Baratti, O. Barnabà, G. Belli, G. Bruno, A. Colaleo, C. DeVecchi, R. Guida, G. Iaselli, E. Imbres, F. Loddo, M. Maggi, B. Marangelli, G. Musitelli, R. Nardò, S. Natali, S. Nuzzo, G. Pugliese, A. Ranieri, S. Ratti, C. Riccardi, F. Romano, P. Torre, A. Vicini, P. Vitulo and F. Volpe, Resistive plate chamber neutron and gamma sensitivity measurement with a ^{252}Cf source 506 (2003) 101

Abe, M., M. Aoki, I. Arai, Y. Asano, T. Baker, M. Blecher, M.D. Chapman, P. Depommier, P. Gumplinger, M. Hasinoff, R. Henderson, K. Horie, Y. Igarashi, T. Ikeda, J. Imazato, A.P. Ivashkin, A. Kaga, J.H. Kang, M.M. Khabibullin, A.N. Khotjantsev, E.J. Kim, K.U. Kim, Y.G. Kudenko, Y. Kuno, J-M. Lee, K.S. Lee, G.Y. Lim, J.A. Macdonald, D.R. Marlow, C.R. Mindas, O.V. Mineev, C. Rangacharyulu, S. Sekikawa, K. Shibata, H.M. Shimizu, S. Shimizu, Y.-M. Shin, Y.H. Shin, K.S. Sim, A. Suzuki, T. Tashiro, A. Watanabe, D. Wright, C.H. Yim and T. Yokoi, Apparatus for a search for T-violating muon polarization in stopped-kaon decays 506 (2003) 60

Agostinelli, S., J. Allison, K. Amako, J. Apostolakis, H. Araujo, P. Arce, M. Asai, D. Axen, S. Banerjee, G. Barrand, F. Behner, L. Bellagamba, J. Boudreau, L. Broglia, A. Brunengo, H. Burkhardt, S. Chauvie, J. Chuma, R. Chytracek, G. Cooperman, G. Cosmo, P. Degtyarenko, A. Dell'Acqua, G. Depaola, D. Dietrich, R. Enami, A. Feliciello, C. Ferguson, H. Fesefeldt, G. Folger, F. Foppiano, A. Forti, S. Garelli, S. Giani, R. Giannitrapani, D. Gibin, J.J. Gómez Cadenas, I. González, G. Gracia Abril, G. Greeniaus, W. Greiner, V. Grichine, A. Grossheim, S. Guatelli, P. Gumplinger, R. Hamatsu, K. Hashimoto, H. Hasui, A. Heikkinen, A. Howard, V. Ivanchenko, A. Johnson, F.W. Jones, J. Kallenbach, N. Kanaya, M. Kawabata, Y. Kawabata, M. Kawaguti, S. Kelner, P. Kent, A. Kimura, T. Kodama, R. Kokoulin, M. Kossov, H. Kurashige, E. Lamanna, T. Lampén, V. Lara, V. Lefebure, F. Lei, M. Liendl, W. Lockman, F. Longo, S. Magni, M. Maire, E. Medernach, K. Minamimoto, P. Mora de Freitas, Y. Morita, K. Murakami, M. Nagamatu, R. Nartallo, P. Nieminen, T. Nishimura, K. Ohtsubo, M. Okamura, S. O'Neale, Y. Oohata, K. Paech, J. Perl, A. Pfeiffer, M.G. Pia, F. Ranjard, A. Rybin, S. Sadilov, E. Di Salvo, G. Santin, T. Sasaki, N. Savvas, Y. Sawada, S. Scherer, S. Sei, V. Sirotenko, D. Smith, N. Starkov, H. Stoecker, J. Sulkimo, M. Takahata, S. Tanaka, E. Tcherniaev, E.S. Tehrani, M. Tropeano, P. Truscott, H. Uno, L. Urban, P. Urban, M. Verderi, A. Walkden, W. Wander, H. Weber, J.P. Wellisch, T. Wenaus, D.C. Williams, D. Wright, T. Yamada, H. Yoshida and D. Zschiesche, GEANT4—a simulation toolkit 506 (2003) 250

Allison, J., see Agostinelli, S. 506 (2003) 250

Altieri, S., see Abbrescia, M. 506 (2003) 101

Amako, K., see Agostinelli, S. 506 (2003) 250

Amemiya, Y., see Iida, K. 506 (2003) 41

Amgarou, K., Ll. Font and C. Baixeras, A novel approach for long-term determination of indoor ^{222}Rn progeny equilibrium factor using nuclear track detectors 506 (2003) 186

Angulo, C., see Couder, M. 506 (2003) 26

Aoki, M., see Abe, M. 506 (2003) 60

Aoki, N., see Iida, K. 506 (2003) 41

Apostolakis, J., see Agostinelli, S. 506 (2003) 250

Arai, I., see Abe, M. 506 (2003) 60

Araujo, H., see Agostinelli, S. 506 (2003) 250

Arce, P., see Agostinelli, S. 506 (2003) 250

Asai, M., see Agostinelli, S. 506 (2003) 250

Asano, Y., see Abe, M. 506 (2003) 60

Auricchio, N., see Dusi, W. 506 (2003) 119

Axen, D., see Agostinelli, S. 506 (2003) 250

doi:10.1016/S0168-9002(03)01762-5

Baixeras, C., see Amgarou, K. . . . 506 (2003) 186
Baker, T., see Abe, M. . . . 506 (2003) 60
Banerjee, S., see Agostinelli, S. . . . 506 (2003) 250
Baratti, V., see Abbrescia, M. . . . 506 (2003) 101
Barichello, G., A. Cervera-Villanueva, D.C. Daniels, E. do Couto e Silva, M. Ellis, D. Ferrère, J.J. Gómez-Cadenas, C. Gössling, M. Gouanère, J.A. Hernando, W. Huta, J. Kokkonen, V.E. Kuznetsov, L. Linssen, B. Lisowski, J. Long, A. Lupi, Ö. Runolfsson, B. Schmidt, F.J.P. Soler, D. Steele, M. Stipčević, G. Vidal-Sitjes and M. Veltri, Performance of the NOMAD-STAR detector . . . 506 (2003) 217
Barker, E., see Lefèvre, O. . . . 506 (2003) 173
Barnabà, O., see Abbrescia, M. . . . 506 (2003) 101
Barrand, G., see Agostinelli, S. . . . 506 (2003) 250
Behner, F., see Agostinelli, S. . . . 506 (2003) 250
Bellagamba, L., see Agostinelli, S. . . . 506 (2003) 250
Belli, G., see Abbrescia, M. . . . 506 (2003) 101
Biedron, S.G., see Sajaev, V. . . . 506 (2003) 304
Blecher, M., see Abe, M. . . . 506 (2003) 60
Bos, A.J.J., see Farahmand, M. . . . 506 (2003) 160
Boudreau, J., see Agostinelli, S. . . . 506 (2003) 250
Bouisset, P., see Lefèvre, O. . . . 506 (2003) 173
Brigliadori, L., see Dusi, W. . . . 506 (2003) 119
Broglia, L., see Agostinelli, S. . . . 506 (2003) 250
Brunengo, A., see Agostinelli, S. . . . 506 (2003) 250
Bruno, G., see Abbrescia, M. . . . 506 (2003) 101
Burkhardt, H., see Agostinelli, S. . . . 506 (2003) 250
Busto, J., see Jeanneret, P. . . . 506 (2003) 204

Cagnat, X., see Lefèvre, O. . . . 506 (2003) 173
Cervera-Villanueva, A., see Barichello, G. . . . 506 (2003) 217
Chapman, M.D., see Abe, M. . . . 506 (2003) 60
Chauvie, S., see Agostinelli, S. . . . 506 (2003) 250
Chen, C.E., see Yan, X.Q. . . . 506 (2003) 1
Chuma, J., see Agostinelli, S. . . . 506 (2003) 250
Chytracek, R., see Agostinelli, S. . . . 506 (2003) 250
Colaleo, A., see Abbrescia, M. . . . 506 (2003) 101
Cooperman, G., see Agostinelli, S. . . . 506 (2003) 250
Cosmo, G., see Agostinelli, S. . . . 506 (2003) 250
Couder, M., C. Angulo, W. Galster, J.-S. Graulich, P. Leleux, P. Lipnik, G. Tabacaru and F. Vanderbist, Performance of the ARES recoil separator for (p,γ) reaction measurements . . . 506 (2003) 26

Daniels, D.C., see Barichello, G. . . . 506 (2003) 217
Degtyarenko, P., see Agostinelli, S. . . . 506 (2003) 250
Dell'Acqua, A., see Agostinelli, S. . . . 506 (2003) 250
Den Hartog, P.K., see Sajaev, V. . . . 506 (2003) 304
de Oliveira, R., see Jeanneret, P. . . . 506 (2003) 204
Depaola, G., see Agostinelli, S. . . . 506 (2003) 250
Depommier, P., see Abe, M. . . . 506 (2003) 60
DeVecchi, C., see Abbrescia, M. . . . 506 (2003) 101
Dietrich, D., see Agostinelli, S. . . . 506 (2003) 250
Di Salvo, E., see Agostinelli, S. . . . 506 (2003) 250
do Couto e Silva, E., see Barichello, G. . . . 506 (2003) 217
Donati, A., see Dusi, W. . . . 506 (2003) 119
Dusi, W., N. Auricchio, L. Brigliadori, A. Donati, G. Landini, D. Mengoni, E. Perillo and G. Ventura, A study of the spectroscopic response of planar CdTe detectors when irradiated at various angles of incidence 506 (2003) 119

Ellis, M., see Barichello, G. . . . 506 (2003) 217
Enami, R., see Agostinelli, S. . . . 506 (2003) 250
Ethvignot, T., see Granier, T. . . . 506 (2003) 149

Fang, J.X., see Yan, X.Q. . . . 506 (2003) 1
Farahmand, M., A.J.J. Bos and C.W.E. van Eijk, Gas electron multiplier (GEM) operation with tissue-equivalent gases at various pressures . . . 506 (2003) 160
Feliciello, A., see Agostinelli, S. . . . 506 (2003) 250
Ferguson, C., see Agostinelli, S. . . . 506 (2003) 250
Ferrère, D., see Barichello, G. . . . 506 (2003) 217
Fesefeldt, H., see Agostinelli, S. . . . 506 (2003) 250
Folger, G., see Agostinelli, S. . . . 506 (2003) 250
Font, Ll., see Amgarou, K. . . . 506 (2003) 186
Foppiano, F., see Agostinelli, S. . . . 506 (2003) 250
Forti, A., see Agostinelli, S. . . . 506 (2003) 250
Fujisawa, M., see Iida, K. . . . 506 (2003) 41
Fujisawa, T., Y. Hashimoto, T. Morimoto and Y. Fujita, Multi-pole magnets to focus an O_2 sheet beam for a non-destructive beam-profile monitor . . . 506 (2003) 50
Fujita, Y., see Fujisawa, T. . . . 506 (2003) 50

Galster, W., see Couder, M. . . . 506 (2003) 26
Garelli, S., see Agostinelli, S. . . . 506 (2003) 250
Gargioni, E., A. Honig and A. Röttger, Development of a calibration facility for measurements of the thoron activity concentration . . . 506 (2003) 166
Geiser, A., see Jeanneret, P. . . . 506 (2003) 204
Gerberich, H.K., see Kotwal, A.V. . . . 506 (2003) 110
Germain, P., see Lefèvre, O. . . . 506 (2003) 173
Giani, S., see Agostinelli, S. . . . 506 (2003) 250
Giannitrapani, R., see Agostinelli, S. . . . 506 (2003) 250
Gibin, D., see Agostinelli, S. . . . 506 (2003) 250
Gluskin, E., see Sajaev, V. . . . 506 (2003) 304
Goldstein, D. and D. Saltzberg, The RASNIK real-time relative alignment monitor for the CDF inner tracking detectors . . . 506 (2003) 92
Gómez Cadenas, J.J., see Agostinelli, S. . . . 506 (2003) 250
Gómez-Cadenas, J.J., see Barichello, G. . . . 506 (2003) 217
González, I., see Agostinelli, S. . . . 506 (2003) 250
Gössling, C., see Barichello, G. . . . 506 (2003) 217
Gouanère, M., see Barichello, G. . . . 506 (2003) 217
Gracia Abril, G., see Agostinelli, S. . . . 506 (2003) 250
Granier, T., L. Pangault, T. Ethvignot, R.C. Haight, X. Ledoux, V. Méot, Y. Patin, P. Pras, M. Szmigiel, R.S. Rundberg and J.B. Wilhelmy, Measuring neutron-induced fission cross-section of shortlived actinides using a lead neutron-slowing-down spectrometer . . . 506 (2003) 149
Graulich, J.-S., see Couder, M. . . . 506 (2003) 26
Greeniaus, G., see Agostinelli, S. . . . 506 (2003) 250
Greiner, W., see Agostinelli, S. . . . 506 (2003) 250
Grichine, V., see Agostinelli, S. . . . 506 (2003) 250
Grossheim, A., see Agostinelli, S. . . . 506 (2003) 250
Guatelli, S., see Agostinelli, S. . . . 506 (2003) 250
Guida, R., see Abbrescia, M. . . . 506 (2003) 101
Gumplinger, P., see Abe, M. . . . 506 (2003) 60
Gumplinger, P., see Agostinelli, S. . . . 506 (2003) 250
Guo, Z.Y., see Yan, X.Q. . . . 506 (2003) 1

Haight, R.C., see Granier, T. . . . 506 (2003) 149
Hamatsu, R., see Agostinelli, S. . . . 506 (2003) 250
Hashimoto, H., see Kurakado, M. . . . 506 (2003) 134
Hashimoto, K., see Agostinelli, S. . . . 506 (2003) 250
Hashimoto, Y., see Fujisawa, T. . . . 506 (2003) 50
Hasinoff, M., see Abe, M. . . . 506 (2003) 60
Hasui, H., see Agostinelli, S. . . . 506 (2003) 250

Hayano, H., see Iida, K. . . . 506 (2003) 41
Hays, C., see Kotwal, A.V. . . . 506 (2003) 110
Heikkinen, A., see Agostinelli, S. . . . 506 (2003) 250
Henderson, R., see Abe, M. . . . 506 (2003) 60
Hernando, J.A., see Barichello, G. . . . 506 (2003) 217
Hirota, K., see Kurakado, M. . . . 506 (2003) 134
Honig, A., see Gargioni, E. . . . 506 (2003) 166
Horie, K., see Abe, M. . . . 506 (2003) 60
Hotchi, H., see Kurakado, M. . . . 506 (2003) 134
Howard, A., see Agostinelli, S. . . . 506 (2003) 250
Huang, Z., see Sajaev, V. . . . 506 (2003) 304
Huta, W., see Barichello, G. . . . 506 (2003) 217

Iaselli, G., see Abbrescia, M. . . . 506 (2003) 101
Igarashi, Y., see Abe, M. . . . 506 (2003) 60
Iida, K., N. Nakamura, H. Sakai, K. Shinoe, H. Takaki, M. Fujisawa, H. Hayano, M. Nomura, Y. Kamiya, T. Koseki, Y. Amemiya, N. Aoki and K. Nakayama, Measurement of an electron-beam size with a beam profile monitor using Fresnel zone plates . . . 506 (2003) 41
Ikeda, T., see Abe, M. . . . 506 (2003) 60
Imazato, J., see Abe, M. . . . 506 (2003) 60
Imbres, E., see Abbrescia, M. . . . 506 (2003) 101
Ivanchenko, V., see Agostinelli, S. . . . 506 (2003) 250
Ivashkin, A.P., see Abe, M. . . . 506 (2003) 60

Jain, H.C., see Nara Singh, B.S. . . . 506 (2003) 238
Jeanneret, P., J. Busto, J.-L. Vuilleumier, A. Geiser, V. Zacek, H. Keppner and R. de Oliveira, Erratum to: "Performance of a new Micromegas detector, with woven wire mesh, in CF_4" [Nucl. Instr. and Meth. A 500 (2003) 133–143] . . . 506 (2003) 204
Johnson, A., see Agostinelli, S. . . . 506 (2003) 250
Jones, F.W., see Agostinelli, S. . . . 506 (2003) 250
Joshi, P.K., see Nara Singh, B.S. . . . 506 (2003) 238

Kaga, A., see Abe, M. . . . 506 (2003) 60
Kagamihata, A., see Kurakado, M. . . . 506 (2003) 134
Kallenbach, J., see Agostinelli, S. . . . 506 (2003) 250
Kamihirata, S., see Kurakado, M. . . . 506 (2003) 134
Kamiya, Y., see Iida, K. . . . 506 (2003) 41
Kanaya, N., see Agostinelli, S. . . . 506 (2003) 250
Kang, J.H., see Abe, M. . . . 506 (2003) 60
Katabuchi, T., see Yamaguchi, M. . . . 506 (2003) 35
Kawabata, M., see Agostinelli, S. . . . 506 (2003) 250
Kawabata, Y., see Agostinelli, S. . . . 506 (2003) 250
Kawachi, N., see Yamaguchi, M. . . . 506 (2003) 35
Kawaguti, M., see Agostinelli, S. . . . 506 (2003) 250
Kelner, S., see Agostinelli, S. . . . 506 (2003) 250
Kent, P., see Agostinelli, S. . . . 506 (2003) 250
Keppner, H., see Jeanneret, P. . . . 506 (2003) 204
Kerlau, G., see Lefèvre, O. . . . 506 (2003) 173
Khabibullin, M.M., see Abe, M. . . . 506 (2003) 60
Khotjantsev, A.N., see Abe, M. . . . 506 (2003) 60
Kim, E.J., see Abe, M. . . . 506 (2003) 60
Kim, K.-J., see Sajaev, V. . . . 506 (2003) 304
Kim, K.U., see Abe, M. . . . 506 (2003) 60
Kimura, A., see Agostinelli, S. . . . 506 (2003) 250
Kodama, T., see Agostinelli, S. . . . 506 (2003) 250
Kokkonen, J., see Barichello, G. . . . 506 (2003) 217

Kokoulin, R., see Agostinelli, S. . . . 506 (2003) 250
Kosarev, E.L. and K.O. Muranov, Erratum to Chromatography + RECOVERY = superresolution chromatography [Nucl. Instr. and Meth. A 502 (2003) 761–764] . . . 506 (2003) 203
Koseki, T., see Iida, K. . . . 506 (2003) 41
Kossov, M., see Agostinelli, S. . . . 506 (2003) 250
Kotwal, A.V., H.K. Gerberich and C. Hays, Identification of cosmic rays using drift chamber hit timing. . . . 506 (2003) 110
Kudenko, Y.G., see Abe, M. . . . 506 (2003) 60
Kuno, Y., see Abe, M. . . . 506 (2003) 60
Kurakado, M., S. Kamihirata, A. Kagamihata, K. Hirota, H. Hashimoto, H. Sato, H. Hotchi, H.M. Shimizu and K. Taniguchi, Two-dimensional position resolution and correction of position dependence of pulse heights of superconducting series-junction detectors . . . 506 (2003) 134
Kurashige, H., see Agostinelli, S. . . . 506 (2003) 250
Kuznetsov, V.E., see Barichello, G. . . . 506 (2003) 217

Lakshmi, S., see Nara Singh, B.S. . . . 506 (2003) 238
Lamanna, E., see Agostinelli, S. . . . 506 (2003) 250
Lampén, T., see Agostinelli, S. . . . 506 (2003) 250
Landini, G., see Dusi, W. . . . 506 (2003) 119
Lara, V., see Agostinelli, S. . . . 506 (2003) 250
Ledoux, X., see Granier, T. . . . 506 (2003) 149
Lee, C.S., see Lee, J.H. . . . 506 (2003) 125
Lee, J.H. and C.S. Lee, Polarization sensitivity and efficiency for a planar-type segmented germanium detector as a Compton polarimeter . . . 506 (2003) 125
Lee, J-M., see Abe, M. . . . 506 (2003) 60
Lee, K.S., see Abe, M. . . . 506 (2003) 60
Lefebure, V., see Agostinelli, S. . . . 506 (2003) 250
Lefèvre, O., P. Bouisset, P. Germain, E. Barker, G. Kerlau and X. Cagnat, Self-absorption correction factor applied to ^{129}I measurement by direct gamma–X spectrometry for *Fucus serratus* samples . . . 506 (2003) 173
Lei, F., see Agostinelli, S. . . . 506 (2003) 250
Leleux, P., see Couder, M. . . . 506 (2003) 26
Lewellen, J.W., see Sajaev, V. . . . 506 (2003) 304
Li, W.G., see Yan, X.Q. . . . 506 (2003) 1
Li, Y., see Sajaev, V. . . . 506 (2003) 304
Liendl, M., see Agostinelli, S. . . . 506 (2003) 250
Lim, G.Y., see Abe, M. . . . 506 (2003) 60
Linssen, L., see Barichello, G. . . . 506 (2003) 217
Lipnik, P., see Couder, M. . . . 506 (2003) 26
Lisowski, B., see Barichello, G. . . . 506 (2003) 217
Lockman, W., see Agostinelli, S. . . . 506 (2003) 250
Loddo, F., see Abbrescia, M. . . . 506 (2003) 101
Long, J., see Barichello, G. . . . 506 (2003) 217
Longo, F., see Agostinelli, S. . . . 506 (2003) 250
Lu, Y.R., see Yan, X.Q. . . . 506 (2003) 1
Lupi, A., see Barichello, G. . . . 506 (2003) 217

Macdonald, J.A., see Abe, M. . . . 506 (2003) 60
Maggi, M., see Abbrescia, M. . . . 506 (2003) 101
Magni, S., see Agostinelli, S. . . . 506 (2003) 250
Maire, M., see Agostinelli, S. . . . 506 (2003) 250
Makarov, O., see Sajaev, V. . . . 506 (2003) 304
Marangelli, B., see Abbrescia, M. . . . 506 (2003) 101
Marlow, D.R., see Abe, M. . . . 506 (2003) 60
Mazumdar, I., see Nara Singh, B.S. . . . 506 (2003) 238
McGinnis, D.P., G. Stancari and S.J. Werkema, Beam decelerations with variable momentum compaction in the Fermilab Antiproton Accumulator . . . 506 (2003) 205
Medernach, E., see Agostinelli, S. . . . 506 (2003) 250

Mengoni, D., see Dusi, W. . . . 506 (2003) 119
Méot, V., see Granier, T. . . . 506 (2003) 149
Milton, S.V., see Sajaev, V. . . . 506 (2003) 304
Minamimoto, K., see Agostinelli, S. . . . 506 (2003) 250
Mindas, C.R., see Abe, M. . . . 506 (2003) 60
Mineev, O.V., see Abe, M. . . . 506 (2003) 60
Miroshnichenko, V.I., see Ponomarev, A.G. . . . 506 (2003) 20
Mitsuyasu, T., see Sakurai, Y. . . . 506 (2003) 199
Miyahara, Y., Femto-second X-ray generation by the tera-watt laser slice method in the SPring-8 storage ring. 506 (2003) 316
Moog, E.R., see Sajaev, V. . . . 506 (2003) 304
Mora de Freitas, P., see Agostinelli, S. . . . 506 (2003) 250
Morimoto, T., see Fujisawa, T. . . . 506 (2003) 50
Morishima, N., see Sakurai, Y. . . . 506 (2003) 199
Morita, Y., see Agostinelli, S. . . . 506 (2003) 250
Murakami, K., see Agostinelli, S. . . . 506 (2003) 250
Muranov, K.O., see Kosarev, E.L. . . . 506 (2003) 203
Musitelli, G., see Abbrescia, M. . . . 506 (2003) 101

Nagamatu, M., see Agostinelli, S. . . . 506 (2003) 250
Nagaraj, S., see Nara Singh, B.S. . . . 506 (2003) 238
Naidu, B.S., see Nara Singh, B.S. . . . 506 (2003) 238
Nakamura, N., see Iida, K. . . . 506 (2003) 41
Nakayama, K., see Iida, K. . . . 506 (2003) 41
Nara Singh, B.S., H.C. Jain, P.K. Joshi, S. Lakshmi, I. Mazumdar, S. Nagaraj and B.S. Naidu, Characteristics of a two-fold segmented Clover detector . . . 506 (2003) 238
Nardò, R., see Abbrescia, M. . . . 506 (2003) 101
Nartallo, R., see Agostinelli, S. . . . 506 (2003) 250
Natali, S., see Abbrescia, M. . . . 506 (2003) 101
Nieminen, P., see Agostinelli, S. . . . 506 (2003) 250
Nishimura, T., see Agostinelli, S. . . . 506 (2003) 250
Nomura, M., see Iida, K. . . . 506 (2003) 41
Nuzzo, S., see Abbrescia, M. . . . 506 (2003) 101

Ohtsubo, K., see Agostinelli, S. . . . 506 (2003) 250
Okamura, M., see Agostinelli, S. . . . 506 (2003) 250
O'Neale, S., see Agostinelli, S. . . . 506 (2003) 250
Oohata, Y., see Agostinelli, S. . . . 506 (2003) 250

Paech, K., see Agostinelli, S. . . . 506 (2003) 250
Pangault, L., see Granier, T. . . . 506 (2003) 149
Patin, Y., see Granier, T. . . . 506 (2003) 149
Perillo, E., see Dusi, W. . . . 506 (2003) 119
Perl, J., see Agostinelli, S. . . . 506 (2003) 250
Pfeiffer, A., see Agostinelli, S. . . . 506 (2003) 250
Pia, M.G., see Agostinelli, S. . . . 506 (2003) 250
Ponomarev, A.G., V.I. Miroshnichenko and V.E. Storizhko, Optimum collimator shape and maximum emittance for submicron focusing of ion beams. Determination of the probe-forming system resolution limit . . . 506 (2003) 20
Pras, P., see Granier, T. . . . 506 (2003) 149
Pugliese, G., see Abbrescia, M. . . . 506 (2003) 101

Rangacharyulu, C., see Abe, M. . . . 506 (2003) 60
Ranieri, A., see Abbrescia, M. . . . 506 (2003) 101
Ranjard, F., see Agostinelli, S. . . . 506 (2003) 250
Ratti, S., see Abbrescia, M. . . . 506 (2003) 101
Riccardi, C., see Abbrescia, M. . . . 506 (2003) 101
Romano, F., see Abbrescia, M. . . . 506 (2003) 101

Röttger, A., see Gargioni, E. . . . 506 (2003) 166
Rundberg, R.S., see Granier, T. . . . 506 (2003) 149
Runolfsson, Ö., see Barichello, G. . . . 506 (2003) 217
Rybin, A., see Agostinelli, S. . . . 506 (2003) 250

Sadilov, S., see Agostinelli, S. . . . 506 (2003) 250
Sajaev, V., Z. Huang, S.G. Biedron, P.K. Den Hartog, E. Gluskin, K.-J. Kim, J.W. Lewellen, Y. Li, O. Makarov, S.V. Milton and E.R. Moog, *Z*-dependent spectral measurements of SASE FEL radiation at APS 506 (2003) 304
Sakai, H., see Iida, K. . . . 506 (2003) 41
Sakurai, Y., T. Mitsuyasu and N. Morishima, Cross-section model for cold neutron scattering in solid and liquid methane. II: group-constant generation 506 (2003) 199
Saltzberg, D., see Goldstein, D. . . . 506 (2003) 92
Santin, G., see Agostinelli, S. . . . 506 (2003) 250
Sasaki, T., see Agostinelli, S. . . . 506 (2003) 250
Sato, H., see Kurakado, M. . . . 506 (2003) 134
Savvas, N., see Agostinelli, S. . . . 506 (2003) 250
Sawada, K., see Yamaguchi, M. . . . 506 (2003) 35
Sawada, Y., see Agostinelli, S. . . . 506 (2003) 250
Scherer, S., see Agostinelli, S. . . . 506 (2003) 250
Schmidt, B., see Barichello, G. . . . 506 (2003) 217
Sei, S., see Agostinelli, S. . . . 506 (2003) 250
Sekikawa, S., see Abe, M. . . . 506 (2003) 60
Shibata, K., see Abe, M. . . . 506 (2003) 60
Shiga, K., see Yamaguchi, M. . . . 506 (2003) 35
Shimizu, H.M., see Abe, M. . . . 506 (2003) 60
Shimizu, H.M., see Kurakado, M. . . . 506 (2003) 134
Shimizu, S., see Abe, M. . . . 506 (2003) 60
Shin, Y.H., see Abe, M. . . . 506 (2003) 60
Shin, Y.-M., see Abe, M. . . . 506 (2003) 60
Shinoe, K., see Iida, K. . . . 506 (2003) 41
Sim, K.S., see Abe, M. . . . 506 (2003) 60
Sirotenko, V., see Agostinelli, S. . . . 506 (2003) 250
Smith, D., see Agostinelli, S. . . . 506 (2003) 250
Soler, F.J.P., see Barichello, G. . . . 506 (2003) 217
Stancari, G., see McGinnis, D.P. . . . 506 (2003) 205
Starkov, N., see Agostinelli, S. . . . 506 (2003) 250
Steele, D., see Barichello, G. . . . 506 (2003) 217
Stipčević, M., see Barichello, G. . . . 506 (2003) 217
Stoecker, H., see Agostinelli, S. . . . 506 (2003) 250
Storizhko, V.E., see Ponomarev, A.G. . . . 506 (2003) 20
Sulkimo, J., see Agostinelli, S. . . . 506 (2003) 250
Suzuki, A., see Abe, M. . . . 506 (2003) 60
Szmigiel, M., see Granier, T. . . . 506 (2003) 149

Tabacaru, G., see Couder, M. . . . 506 (2003) 26
Tagishi, Y., see Yamaguchi, M. . . . 506 (2003) 35
Takahata, M., see Agostinelli, S. . . . 506 (2003) 250
Takaki, H., see Iida, K. . . . 506 (2003) 41
Tanaka, S., see Agostinelli, S. . . . 506 (2003) 250
Taniguchi, K., see Kurakado, M. . . . 506 (2003) 134
Tashiro, T., see Abe, M. . . . 506 (2003) 60
Tcherniaev, E., see Agostinelli, S. . . . 506 (2003) 250
Tehrani, E.S., see Agostinelli, S. . . . 506 (2003) 250
Tesarek, R.J., see Unel, M.K. . . . 506 (2003) 7
Theodorsson, P., K/Th/U in photomultiplier tubes and improved low-level NaI detectors. . . . 506 (2003) 143
Torre, P., see Abbrescia, M. . . . 506 (2003) 101

Tropeano, M., see Agostinelli, S. . . . 506 (2003) 250
Truscott, P., see Agostinelli, S. . . . 506 (2003) 250

Unel, M.K. and R.J. Tesarek, Beam halo monitoring at CDF . . . 506 (2003) 7
Uno, H., see Agostinelli, S. . . . 506 (2003) 250
Urban, L., see Agostinelli, S. . . . 506 (2003) 250
Urban, P., see Agostinelli, S. . . . 506 (2003) 250

Vanderbist, F., see Couder, M. . . . 506 (2003) 26
van Eijk, C.W.E., see Farahmand, M. . . . 506 (2003) 160
Veltri, M., see Barichello, G. . . . 506 (2003) 217
Ventura, G., see Dusi, W. . . . 506 (2003) 119
Verderi, M., see Agostinelli, S. . . . 506 (2003) 250
Vicini, A., see Abbrescia, M. . . . 506 (2003) 101
Vidal-Sitjes, G., see Barichello, G. . . . 506 (2003) 217
Vitulo, P., see Abbrescia, M. . . . 506 (2003) 101
Volpe, F., see Abbrescia, M. . . . 506 (2003) 101
Vuilleumier, J.-L., see Jeanneret, P. . . . 506 (2003) 204

Walkden, A., see Agostinelli, S. . . . 506 (2003) 250
Wander, W., see Agostinelli, S. . . . 506 (2003) 250
Watanabe, A., see Abe, M. . . . 506 (2003) 60
Weber, H., see Agostinelli, S. . . . 506 (2003) 250
Wellisch, J.P., see Agostinelli, S. . . . 506 (2003) 250
Wenaus, T., see Agostinelli, S. . . . 506 (2003) 250
Werkema, S.J., see McGinnis, D.P. . . . 506 (2003) 205
Wilhelmy, J.B., see Granier, T. . . . 506 (2003) 149
Williams, D.C., see Agostinelli, S. . . . 506 (2003) 250
Wright, D., see Abe, M. . . . 506 (2003) 60
Wright, D., see Agostinelli, S. . . . 506 (2003) 250
Wu, Y., see Yan, X.Q. . . . 506 (2003) 1

Yamada, T., see Agostinelli, S. . . . 506 (2003) 250
Yamaguchi, M., K. Sawada, T. Katabuchi, N. Kawachi, N. Yoshimaru, K. Shiga and Y. Tagishi, High-efficiency polarimeter for a secondary proton beam of 16–22 MeV . . . 506 (2003) 35
Yan, X.Q., C.E. Chen, J.X. Fang, Z.Y. Guo, W.G. Li, Y.R. Lu and Y. Wu, Exploring the feasibility of a separated function RFQ with mini-vane structure . . . 506 (2003) 1
Yim, C.H., see Abe, M. . . . 506 (2003) 60
Yokoi, T., see Abe, M. . . . 506 (2003) 60
Yoshida, H., see Agostinelli, S. . . . 506 (2003) 250
Yoshimaru, N., see Yamaguchi, M. . . . 506 (2003) 35

Zacek, V., see Jeanneret, P. . . . 506 (2003) 204
Zschiesche, D., see Agostinelli, S. . . . 506 (2003) 250

Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Nuclear Instruments and Methods in Physics Research A 506 (2003) 337–339
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH Section A
www.elsevier.com/locate/nima

Subject index

Accelerators, Beam Handling and Targets

Exploring the feasibility of a separated function RFQ with mini-vane structure, X.Q. Yan, C.E. Chen, J.X. Fang, Z.Y. Guo, W.G. Li, Y.R. Lu and Y. Wu 506 (2003) 1

Beam halo monitoring at CDF, M.K. Unel and R.J. Tesarek 506 (2003) 7

Optimum collimator shape and maximum emittance for submicron focusing of ion beams. Determination of the probe-forming system resolution limit, A.G. Ponomarev, V.I. Miroshnichenko and V.E. Storizhko 506 (2003) 20

Performance of the ARES recoil separator for (p, γ) reaction measurements, M. Couder, C. Angulo, W. Galster, J.-S. Graulich, P. Leleux, P. Lipnik, G. Tabacaru and F. Vanderbist 506 (2003) 26

High-efficiency polarimeter for a secondary proton beam of 16–22 MeV, M. Yamaguchi, K. Sawada, T. Katabuchi, N. Kawachi, N. Yoshimaru, K. Shiga and Y. Tagishi 506 (2003) 35

Measurement of an electron-beam size with a beam profile monitor using Fresnel zone plates, K. Iida, N. Nakamura, H. Sakai, K. Shinoe, H. Takaki, M. Fujisawa, H. Hayano, M. Nomura, Y. Kamiya, T. Koseki, Y. Amemiya, N. Aoki and K. Nakayama 506 (2003) 41

Multi-pole magnets to focus an O_2 sheet beam for a non-destructive beam-profile monitor, T. Fujisawa, Y. Hashimoto, T. Morimoto and Y. Fujita 506 (2003) 50

Beam decelerations with variable momentum compaction in the Fermilab Antiproton Accumulator, D.P. McGinnis, G. Stancari and S.J. Werkema 506 (2003) 205

High Energy Physics Detectors

Apparatus for a search for T-violating muon polarization in stopped-kaon decays, M. Abe, M. Aoki, I. Arai, Y. Asano, T. Baker, M. Blecher, M.D. Chapman, P. Depommier, P. Gumplinger, M. Hasinoff, R. Henderson, K. Horie, Y. Igarashi, T. Ikeda, J. Imazato, A.P. Ivashkin, A. Kaga, J.H. Kang, M.M. Khabibullin, A.N. Khotjantsev, E.J. Kim, K.U. Kim, Y.G. Kudenko, Y. Kuno, J-M. Lee, K.S. Lee, G.Y. Lim, J.A. Macdonald, D.R. Marlow, C.R. Mindas, O.V. Mineev, C. Rangacharyulu, S. Sekikawa, K. Shibata, H.M. Shimizu, S. Shimizu, Y.-M. Shin, Y.H. Shin, K.S. Sim, A. Suzuki, T. Tashiro, A. Watanabe, D. Wright, C.H. Yim and T. Yokoi 506 (2003) 60

The RASNIK real-time relative alignment monitor for the CDF inner tracking detectors, D. Goldstein and D. Saltzberg 506 (2003) 92

Resistive plate chamber neutron and gamma sensitivity measurement with a ^{252}Cf source, M. Abbrescia, S. Altieri, V. Baratti, O. Barnabà, G. Belli, G. Bruno, A. Colaleo, C. DeVecchi, R. Guida, G. Iaselli, E. Imbres, F. Loddo, M. Maggi, B. Marangelli, G. Musitelli, R. Nardò, S. Natali, S. Nuzzo, G. Pugliese, A. Ranieri, S. Ratti, C. Riccardi, F. Romano, P. Torre, A. Vicini, P. Vitulo and F. Volpe 506 (2003) 101

doi: 10.1016/S0168-9002(03)01763-7

Performance of the NOMAD-STAR detector, G. Barichello, A. Cervera-Villanueva, D.C. Daniels, E. do Couto e Silva, M. Ellis, D. Ferrère, J.J. Gómez-Cadenas, C. Gössling, M. Gouanère, J.A. Hernando, W. Huta, J. Kokkonen, V.E. Kuznetsov, L. Linssen, B. Lisowski, J. Long, A. Lupi, Ö. Runolfsson, B. Schmidt, F.J.P. Soler, D. Steele, M. Stipčević, G. Vidal-Sitjes and M. Veltri 506 (2003) 217

Space Radiation and Neutrino Detectors

Identification of cosmic rays using drift chamber hit timing, A.V. Kotwal, H.K. Gerberich and C. Hays 506 (2003) 110

Gamma, X-ray and Charged Particle Detectors

A study of the spectroscopic response of planar CdTe detectors when irradiated at various angles of incidence, W. Dusi, N. Auricchio, L. Brigliadori, A. Donati, G. Landini, D. Mengoni, E. Perillo and G. Ventura 506 (2003) 119

Polarization sensitivity and efficiency for a planar-type segmented germanium detector as a Compton polarimeter, J.H. Lee and C.S. Lee 506 (2003) 125

Two-dimensional position resolution and correction of position dependence of pulse heights of superconducting series-junction detectors, M. Kurakado, S. Kamihirata, A. Kagamihata, K. Hirota, H. Hashimoto, H. Sato, H. Hotchi, H.M. Shimizu and K. Taniguchi 506 (2003) 134

K/Th/U in photomultiplier tubes and improved low-level NaI detectors, P. Theodorsson 506 (2003) 143

Characteristics of a two-fold segmented Clover detector, B.S. Nara Singh, H.C. Jain, P.K. Joshi, S. Lakshmi, I. Mazumdar, S. Nagaraj and B.S. Naidu 506 (2003) 238

Fission, Fusion, Spallation and Heavy Ions

Measuring neutron-induced fission cross-section of shortlived actinides using a lead neutron-slowing-down spectrometer, T. Granier, L. Pangault, T. Ethvignot, R.C. Haight, X. Ledoux, V. Méot, Y. Patin, P. Pras, M. Szmigiel, R.S. Rundberg and J.B. Wilhelmy 506 (2003) 149

Medical Applications and Dosimetry

Gas electron multiplier (GEM) operation with tissue-equivalent gases at various pressures, M. Farahmand, A.J.J. Bos and C.W.E. van Eijk 506 (2003) 160

Development of a calibration facility for measurements of the thoron activity concentration, E. Gargioni, A. Honig and A. Röttger 506 (2003) 166

Self-absorption correction factor applied to ^{129}I measurement by direct gamma–X spectrometry for *Fucus serratus* samples, O. Lefèvre, P. Bouisset, P. Germain, E. Barker, G. Kerlau and X. Cagnat 506 (2003) 173

Numerical and Data Analysis

GEANT4—a simulation toolkit, S. Agostinelli, J. Allison, K. Amako, J. Apostolakis, H. Araujo, P. Arce, M. Asai, D. Axen, S. Banerjee, G. Barrand, F. Behner, L. Bellagamba, J. Boudreau, L. Broglia, A. Brunengo, H. Burkhardt, S. Chauvie, J. Chuma, R. Chytracek, G. Cooperman, G. Cosmo, P. Degtyarenko, A. Dell'Acqua, G. Depaola, D. Dietrich, R. Enami, A. Feliciello, C. Ferguson, H. Fesefeldt, G. Folger, F. Foppiano, A. Forti, S. Garelli, S. Giani, R. Giannitrapani, D. Gibin, J.J. Gómez Cadenas, I. González, G. Gracia Abril, G. Greeniaus, W. Greiner, V. Grichine, A. Grossheim, S. Guatelli, P. Gumplinger, R. Hamatsu, K. Hashimoto,

H. Hasui, A. Heikkinen, A. Howard, V. Ivanchenko, A. Johnson, F.W. Jones, J. Kallenbach, N. Kanaya, M. Kawabata, Y. Kawabata, M. Kawaguti, S. Kelner, P. Kent, A. Kimura, T. Kodama, R. Kokoulin, M. Kossov, H. Kurashige, E. Lamanna, T. Lampén, V. Lara, V. Lefebure, F. Lei, M. Liendl, W. Lockman, F. Longo, S. Magni, M. Maire, E. Medernach, K. Minamimoto, P. Mora de Freitas, Y. Morita, K. Murakami, M. Nagamatu, R. Nartallo, P. Nieminen, T. Nishimura, K. Ohtsubo, M. Okamura, S. O'Neale, Y. Oohata, K. Paech, J. Perl, A. Pfeiffer, M.G. Pia, F. Ranjard, A. Rybin, S. Sadilov, E. Di Salvo, G. Santin, T. Sasaki, N. Savvas, Y. Sawada, S. Scherer, S. Sei, V. Sirotenko, D. Smith, N. Starkov, H. Stoecker, J. Sulkimo, M. Takahata, S. Tanaka, E. Tcherniaev, E.S. Tehrani, M. Tropeano, P. Truscott, H. Uno, L. Urban, P. Urban, M. Verderi, A. Walkden, W. Wander, H. Weber, J.P. Wellisch, T. Wenaus, D.C. Williams, D. Wright, T. Yamada, H. Yoshida and D. Zschiesche 506 (2003) 250

Synchrotron Radiation Research

Z-dependent spectral measurements of SASE FEL radiation at APS, V. Sajaev, Z. Huang, S.G. Biedron, P.K. Den Hartog, E. Gluskin, K.-J. Kim, J.W. Lewellen, Y. Li, O. Makarov, S.V. Milton and E.R. Moog 506 (2003) 304

Femto-second X-ray generation by the tera-watt laser slice method in the SPring-8 storage ring, Y. Miyahara 506 (2003) 316

Special Applications

A novel approach for long-term determination of indoor ^{222}Rn progeny equilibrium factor using nuclear track detectors, K. Amgarou, Ll. Font and C. Baixeras 506 (2003) 186

Letter to the Editor

Cross-section model for cold neutron scattering in solid and liquid methane. II: group-constant generation, Y. Sakurai, T. Mitsuyasu and N. Morishima 506 (2003) 199

Errata

Erratum to Chromatography + RECOVERY = superresolution chromatography [Nucl. Instr. and Meth. A 502 (2003) 761–764], E.L. Kosarev and K.O. Muranov 506 (2003) 203

Erratum to: "Performance of a new Micromegas detector, with woven wire mesh, in CF_4" [Nucl. Instr. and Meth. A 500 (2003) 133–143], P. Jeanneret, J. Busto, J.-L. Vuilleumier, A. Geiser, V. Zacek, H. Keppner and R. de Oliveira 506 (2003) 204